

	<b>L #</b>	<b>Hits</b>	<b>Search Text</b>	<b>Dbs</b>	<b>Time Stamp</b>
1	L1	234	(pyruvic or pyruvate) adj carboxylase	USPAT; EPO; JPO; DERWEN T	2001/09/21 07:29
2	L6	31	11 and coryne\$	USPAT; EPO; JPO; DERWEN T	2001/09/21 07:29

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 6200785 B1	20010313	14	L-lysine-producing corynebacteria and process for the preparation of l-lysine	435/115	435/252.32 ; 435/320.1
2	US 6180662 B1	20010130		Agents acting against hyperreactive and hypoactive, deficient skin conditions and manifest dermatitides	514/456	514/152 ; 514/457 ; 514/858 ; 514/859 ; 514/860 ; 514/861 ; 514/863 ; 514/864
3	US 6171833 B1	20010109		Pyruvate carboxylase from corynebacterium glutamicum	435/183	435/252.3 ; 435/320.1 ; 435/325 ; 436/6 ; 536/23.2
4	US 6165500 A	20001226		Preparation for the application of agents in mini-droplets	424/450	424/94.3 ; 428/402.2
5	US 6022729 A	20000208		Granule-associated proteins and methods for their use in polyhydroxyalkanoate biosynthesis	435/252.3	435/252.33 ; 435/320.1 ; 435/471 ; 435/488 ; 536/23.7
6	US 5985617 A	19991116		Microorganisms and methods for overproduction of DAHP by cloned PPS gene	435/72	435/108 ; 435/200 ; 536/23.7 ; 536/24.1
7	US 5952373 A	19990914		Agents acting against hyperreactive and hypoactive, deficient skin conditions and manifest dermatitides	514/456	514/152 ; 514/457 ; 514/858 ; 514/859 ; 514/860 ; 514/861 ; 514/863 ; 514/864

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
8	US 5935927 A	19990810		Compositions and methods for stimulating amyloid removal in amyloidogenic diseases using advanced glycosylation endproducts	514/12	514/23 ; 514/359 ; 514/438 ; 514/439 ; 514/443 ; 514/569 ; 514/642 ; 514/647 ; 514/79 ; 514/91 ; 514/95 ; 530/300 ; 530/322 ; 536/1.11 ; 548/100 ; 548/121 ; 548/122
9	US 5932536 A	19990803		Compositions for neutralization of lipopolysaccharides	514/2	424/450 ; 514/12 ; 514/21 ; 530/359
10	US 5928624 A	19990727		Compositions for neutralization of lipopolysaccharides	424/9.1	436/501 ; 436/71 ; 436/811
11	US 5906925 A	19990525		Microorganisms and methods for overproduction of DAHP by cloned pps gene	435/72	435/108 ; 435/200 ; 536/23.7 ; 536/24.1
12	US 5766925 A	19980616		Method of producing L-lysine	435/252.32	435/190 ; 435/252.3 ; 536/23.2
13	US 5573945 A	19961112		Mutant and method for producing L-glutamic acid by fermentation	435/252.33	435/110 ; 435/244

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
14	US 5175108 A	19921229		Plasmids from corynebacterium glutamicum and plasmid vectors derived therefrom	435/252.32	435/320.1 ; 435/843
15	US 4980285 A	19901225		Method for producing L-amino acids	435/108	435/115 ; 435/170 ; 435/252.3 ; 435/252.32 ; 435/69.1 ; 435/71.1 ; 435/840 ; 536/23.2 ; 536/23.7
16	US 4757009 A	19880712		Recombinant DNA having a phosphoenol pyruvate carboxylase gene inserted therein, bacteria carrying said recombinant DNA and a process for producing amino acids using said bacteria	435/106	435/109 ; 435/252.32 ; 435/320.1 ; 435/840 ; 435/843
17	EP 1108790 A2	20011001		Novel polynucleotides derived from Coryneform bacteria, for identifying mutation point of a gene, measuring expression of a gene, analyzing expression profile or pattern of a gene and identifying homologous gene		

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
18	EP A1 1083225	20010910		New coryneform bacteria overexpressing the pyc gene encoding pyruvate carboxylase, useful for producing D-pantothenic acid		
19	EP A1 1067193	20010716		Coryneform bacteria for high level production of lysine, useful as feed additive, overexpresses the pyc and at least one other gene, e.g. dapA, dapB or lysE		
20	US B1 6200785	20010917		Coryneform bacteria for high level production of lysine, useful as feed additive, overexpresses the lysE and at least one other gene, particularly dapA		
21	US B1 6171833	20010326		Novel nucleic acid encoding pyruvate carboxylase from Corynebacterium glutamicum, for replenishing oxaloacetate consumed during lysine and glutamic acid production in industrial fermentations		

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
22	JP 2000201692 A	20000725		Preparation of L-glutamic acid comprises fermenting a Coryneform microbe which has improved intracellular pyruvate carboxylase activity and has l-glutamic acid productivity		
23	WO 200039305 A1	20001211		Novel polynucleotides encoding Corynebacterium glutamicum pyruvate carboxylase useful for industrial fermentation processes comprises a specific nucleotide sequence		
24	WO 9953035 A1	20010226		Metabolically engineered bacterial cell used in fermentation processes to produce oxaloacetate derived organic acids for e.g. pharmaceuticals		
25	JP 11196887 A	19990727		Preparation of organic acid e.g. succinic acid - comprises reacting phosphoenol-pyruvate carboxylase gene recombinant microbe anaerobically with substrate		

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
26	US 5876983 A	19990302		Variant of phospho-enol pyruvate carboxylase - not substantially inhibited by aspartic acid, is used for efficient production of amino acids		
27	EP 358940 A	19900321		Deoxyribonucleic acid fragment, for L-aminoacid - obt'd. from corynebacteri um glutamicum strain coding for phospho-enol-pyruvate carboxylase		
28	US 5484716 A	19960116		Tryptophan, tyrosine or phenylalanine microbial prodn. - using strains of coryneform, glutamate producing bacteria which are deficient in phosphoenol pyruvate carboxylase, providing higher yields		
29	FR 2581653 A	19861114		New DNA fragment and recombinant molecules - contg. gene for phospho:enol pyruvate carboxylase from corynebacterium useful for increasing yield of amino acid or nucleic acid		

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
30	US 4980285 A	19901225		Fermentative prodn. of amino acids - using Coryneform bacteria transformed with two recombinant Plasmid(s) contg. enzyme genes		
31	US 4757009 A	19880712		Recombinant DNA contg. phospho:enol pyruvate carboxylase gene - useful in corynebacterium and brevibacterium bacteria for improved aminoacid prodn.		